

FIG. 1







PATH # USED IN THE PROTOTYPE STUDY NOTEBOOK	SILHOUETTE	DEFINITION OF PROFILE
.001		CAPITAL "A" WITH NO "POLES" OR "HOLES" (NO PROTRUDING LETTERS LIKE "b, d, h, k, l" ABOVE MIDLINE OR BELOW BASELINE SUCH AS "g, p, y, z, x, ETC.")
.002		CAPITAL "A" WITH ONE "HOLE" (DOWN STROKE) SOMEWHERE IN THE MIDDLE OF THE WORD --AT LEAST ONE LETTER AWAY FROM THE CAPITAL "A" AND NOT AT THE END.
.003		CAPITAL "A" WITH ONE "HOLE" (DOWN STROKE) AT THE END.
.005		CAPITAL "A" WITH ONE "POLE" (HIGH STROKE) SOMEWHERE IN THE MIDDLE OF THE WORD --AT LEAST ONE LETTER AWAY FROM THE CAPITAL "A" AND NOT AT THE END OR NEXT TO THE END.
.006		CAPITAL "A" WITH ONE "POLE" (HIGH STROKE) LOCATED ONE LETTER AWAY FROM THE END --SUCH AS "-le, -y, -de, -te, -dy, -by, ETC."
.007		CAPITAL "A" WITH ONE "POLE" (HIGH STROKE) LOCATED AT THE END.

FIG. 2A

PATH # USED IN THE PROTOTYPE STUDY NOTEBOOK	SILHOUETTE	DEFINITION OF PROFILE
.025		CAPITAL "A" WITH TWO ADJACENT "POLES" (TWO CONSECUTIVE UP STROKES) SOMEWHERE IN THE MIDDLE OF THE WORD --AT LEAST ONE LETTER AWAY FROM THE CAPITAL "A" AND NOT AT THE END.
.043		CAPITAL "A" WITH TWO ADJACENT "POLES" (TWO CONSECUTIVE UP STROKES) AT THE TERMINAL END.
.052		CAPITAL "A" WITH "POLE" FUSED WITH A "HOLE" CREATING A CONTINUOUS LINE THAT BREAKS BOTH THE UPPER AND LOWER HORIZON LINES. --- THIS WOULD RECOGNIZE THE PRESENT DAY CURSIVE LETTER "f" AND COULD ALSO FILTER 18TH CENTURY WORDS FOR THE OLD STYLE "S". <i>f</i>
.092		TERMINAL "f" OR 18TH CENTURY "S" (" <i>f</i> ")
.102		DOUBLE "f" OR DOUBLE 18TH CENTURY "S" LOCATED IN THE MIDDLE OF THE NAME.
.120		DOUBLE TERMINAL "f" OR DOUBLE 18TH CENTURY "S" AT THE END OF THE WORD.

FIG. 2B

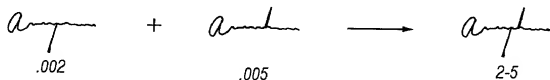


FIG. 3A

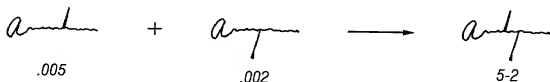


FIG. 3B

"HIGH PROFILE" LETTERS OR "TALLS"	PRIME #	"LOW PROFILE" LETTERS (GOPHERS)	PRIME #	BOTH HIGH AND LOW PROFILE LETTER	PRIME #	FIRST SYLLABLE BLEND	FILE #	DEFINITION
						A---	10.	"A" NO HIGH PROFILE IN ADJACENT POSITION
b	1					Ab---	110.	"Ab"--- ONLY ONE HIGH PROFILE LETTER FOLLOWED BY MEDIAN
						Abb---	111.	"ABB"--- TWO HIGH PROFILE LETTERS ADJACENT TO "A"
d	2					Ad---	120.	2ND LETTER "HIGH" 3RD LETTER "MEDIAN"
						Adb--	121.	2 "HIGHS" (d b)
						Add--	122.	2 "HIGHS" (d d)
						Adk--	124.	2 "HIGHS" (d k)
						Adl---	125.	2 "HIGHS" (d l)

FIG. 4

## CHEMANGO COUNTY, NEW YORK

TOWN	PHOTOGRAPH OF DOCUMENT (N.Y. TAX ROLLS - 1800)	PATH # (ZIP CODE)	HYBRIDIZATION FACTORS	SILHOUETTE	DIGITIZED NAME
BROOKFIELD					
1	Amos	10.001	-	<i>Amos</i>	Amos
2	Anderson William	10.016	5.2	<i>Anderson</i>	Anderson
3	Anderson William	10.061	5.52	<i>Anderson</i>	Anderson
4	Allen	155.001	-	<i>Allen</i>	Allen
5	Abbey Daniel	111.003	-	<i>Abbey</i>	Abbey
CAZENOVIA	Alger Oliver	150.002	-	<i>Alger</i>	Alger
7	Alger	SAME		SAME	SAME
8	Adams Daniel	120.001	-	<i>Adams</i>	Adams
9	Allen William	155.001	-	<i>Allen</i>	Allen
10	Anderson William	10.005	-	<i>Anderson</i>	Anderson
11	Abby Richard	111.003	-	<i>Abby</i>	Abby
12	Aldridge Dusty	152.016	5.2	<i>Aldridge</i>	Aldridge
13	Aditt Henry	120.043	-	<i>Aditt</i>	Aditt
14	Alswoth Jasper	150.043	-	<i>Alswoth</i>	Alswoth
15	Anderson	10.005	-	<i>Anderson</i>	Anderson
16	Aldridge Joseph	152.016	5.2	<i>Aldridge</i>	Aldridge

FIG. 5A

## CHENANGO COUNTY, NEW YORK

TOWN	PHOTOCOPY OF DOCUMENT (N.Y. TAX ROLLS - 1800)	PATH # (ZIP CODE)	HYBRIDIZATION FACTORS	SILHOUETTE	DIGITIZED NAME
17	Arnold Tily	10.043	-	<i>Arnold</i>	Arnold
18	Alvord Benjamin	150.007	-	<i>Alvord</i>	Alvord
19	Alvord Ira	SAME	-	SAME	SAME
20	Abell Isber	110.043	-	<i>Abell</i>	Abell
21	Annis Oliver	10.001	-	<i>Annis</i>	Annis (Annis)
22	Abbot Willard	111.007	-	<i>Abbot</i>	Abbot (Abbat)
23	Austin Caleb	10.005	-	<i>Austin</i>	Austin
24	Aber Williams	110.001	-	<i>Aber</i>	Aber
25	Ashard Samuel	10.023	5.7	<i>Ashard</i>	Ashard *
26	Allverton William	155.005	-	<i>Allverton</i>	Allverton

\* NAME FOUND IN 1800 N.Y. TAX ROLLS, BUT NOT IN WEST L.A. PHONE BOOK  
CONSEQUENTLY THIS WOULD NOT HAVE BEEN INCLUDED IN A SPELLCHECK LIST

FIG. 5B

10.000	10.001	10.002	10.003	10.004	10.005	10.006	10.007	10.008	10.009	10.010
Hybrid #'s		PRIME	PRIME	2-3	PRIME	PRIME	PRIME	2-2	2-5	2-5-3
SILHOUETTE	a	a	a	a	a	a	a	a	a	a
					Acken					
	Aaron				Acker	Acevedo	Acret			
	Aaronson				Ackerman					
					Ackermann					
	Acaas				Ackerson					
	Acamon				Acton	Acosta				
	Acres				Ainslie					
	Aceves				Amber		Amet			
					Ambers		Amick			
	Ain		Airey		Ambrose		Around			
	Ainis				Ambrosini					
	Airs				Ambrosio					
					Amiani					
	Ames	Amcaro	Amey		Amier					
	Amies	Amcerc	Amery		Amlin					
	Amiri				Anastasi		Anisn		Angelino	
	Amirian	Amyas			Anderson		Annard		Angelus	
	Amis				Anderson		Ansel		Anglin	
	Amisss				Andiman				Angsten	
	Ammerman				Andrew					

FIG. 6A

10.000	10.001	10.002	10.003	10.004	10.005	10.006	10.007	10.008	10.009	10.010
PATH #'S		PRIME		2-3	PRIME	PRIME	PRIME	2-2	2-5	2-5-3
SILHOUETTE	Ammons	Ang	Amny	Amny	Andrews	Am	Am	Am	Am	Am
	Amos				Andrus					
	Amron				Anker					
					Ankers					
	Anis	Angres			Annakin					
	Anisman		Anning		Anselmo					
	Annis	Anguliano			Anslie					
	Ansin		Ansary		Anstie					
	Anson		Ansay		Antin				Anzalone	
	Ansan				Anton					
	Anwar	Angus								
		Angwin			Arbisser		Arch			
	Arenson	Anyan			Archle	Ariola	Armench		Argenta → 2.3	
	Arias		Aray		Archer	Armenta	Armand		Arrington	
	Aris		Arney		Arden	Arruda	Armond			
	Arison		Aronowicz		Ardern					
	Armer	Aragon			Ardmore					
	Armon	Araiza			Arduser					
	Armour	Ariza			Arlen					
	Arnesen				Ascher		Ash			

FIG. 6B



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FOUO 2223200

10.000	10.001	10.002	10.003	10.004	10.005	10.006	10.007	10.008	10.009	10.010
PATH #'S		PRIME	PRIME	2-3	PRIME	PRIME	PRIME	2-2	2-5	2-5-3
SILHOUETTE	<i>a</i>	<i>ay</i>	<i>ay</i>	<i>ay</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>att</i>	<i>ay</i>	<i>ay</i>
	Aron				Asher					
	Aronson				Ashen					
	Aronow				Ashman					
	Arrow				Ashmore					
					Ashouri					
	Asimov				Askari					
	Asner				Askin					
					Askew					
	Auer				Aster					
	Aves				Aston		Auch		Augustein	
	Avin				Austen	Avila			Augustine	
1/6/99	Avins				Austin		Aveni			

FIG. 6C

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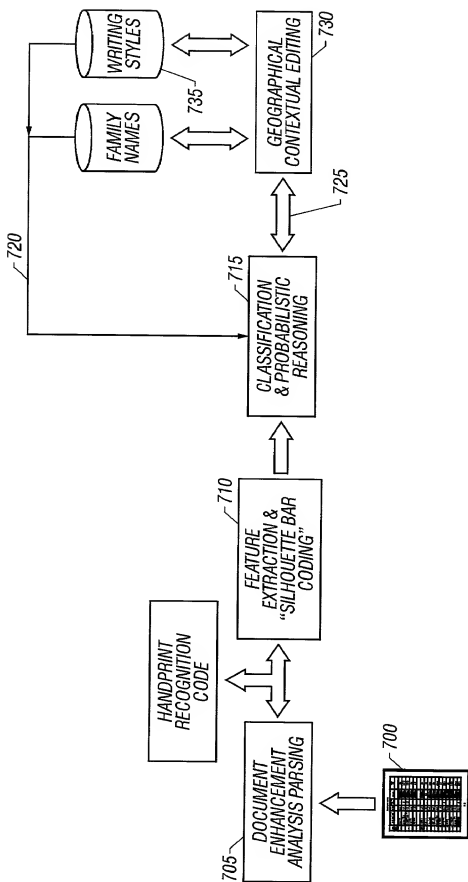


FIG. 7

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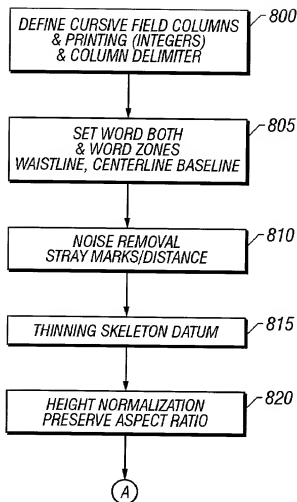


FIG. 8

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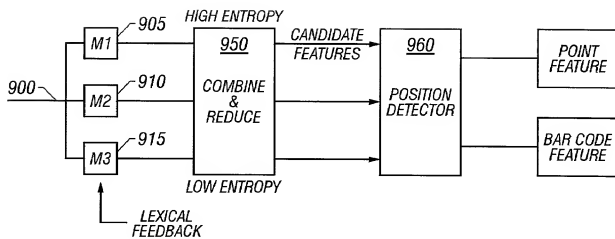


FIG. 9

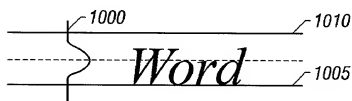


FIG. 10

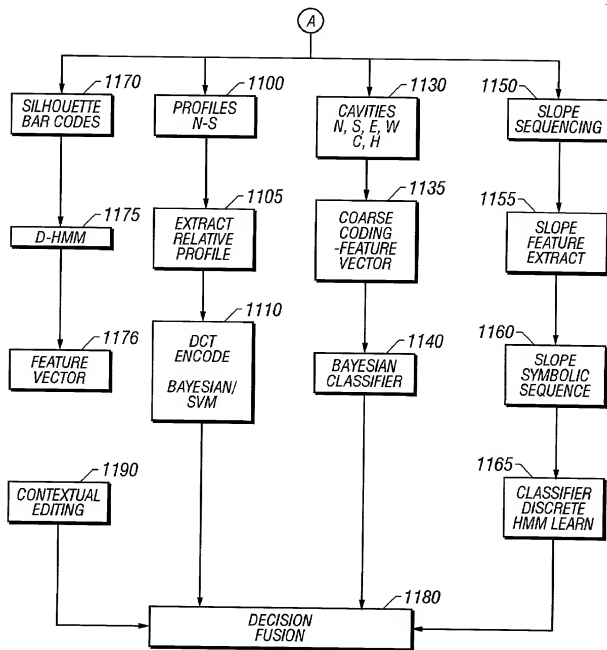


FIG. 11

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*Catharine*

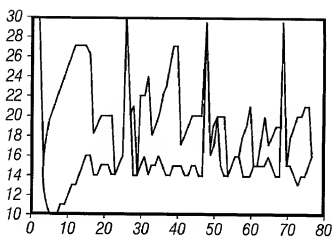
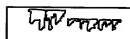
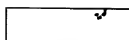


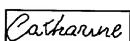
FIG. 12



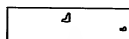
NORTH



WEST



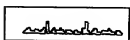
WORD



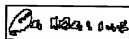
EAST



HOLES



SOUTH



CENTER

FIG. 13